AMENDMENTS TO THE CLAIMS

1. (Previously presented) The polymeric article of claim 131, wherein the luminescent polymer comprises an iptycene moiety.

2. (Original) The polymeric article of claim 1, wherein the iptycene moiety comprises at least three arene planes.

3. (Original) The polymeric article of claim 2, wherein the iptycene moiety comprises at least five arene planes.

4. (Previously presented) The polymeric article of claim 1, wherein the iptycene moiety is at least a portion of a repeat unit of the luminescent polymer.

5. (Previously presented) The polymeric article of claim 131, wherein the luminescent polymer comprises a backbone.

6. (Original) The polymeric article of claim 5, wherein the backbone comprises a delocalized π-electron bond.

7. (Original) The polymeric article of claim 5, wherein the backbone comprises a benzene ring.

8. (Previously presented) The polymeric article of claim 7, wherein the benzene ring is at least a portion of a repeat unit of the backbone of the luminescent polymer.

9. (Original) The polymeric article of claim 7, wherein a pendant group is attached to the backbone via the benzene ring.

10. (Cancelled)

11. (Previously presented) The polymeric article of claim 5, wherein the triple bond is at least a portion of a repeat unit of the luminescent polymer.

12–13. (Cancelled)

14. (Previously presented) An article, comprising:

a particle comprising a nucleic acid and a luminescent polymer, wherein the luminescent polymer is a copolymer and comprises a triple bond.

15. (Previously presented) The polymeric article of claim 131, wherein the luminescent polymer comprises at least one pendant group.

16. (Original) The polymeric article of claim 15, wherein the pendant group comprises an aliphatic chain.

17. (Original) The polymeric article of claim 15, wherein the pendant group comprises an ether chain.

18. (Previously presented) The polymeric article of claim 131, wherein the luminescent polymer comprises a charged moiety.

19-129. (Cancelled)

130. (Previously presented) A polymeric article, comprising:

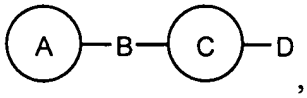
a particle comprising a luminescent polymer, wherein the luminescent polymer comprises a plurality of triple bonds and at least one aromatic group.

131. (Previously presented) An article, comprising:

a particle comprising a nucleic acid covalently attached to a luminescent polymer, wherein the luminescent polymer comprises a triple bond.

132. (Previously Presented) The article of claim 131, wherein the luminescent polymer comprises a plurality of triple bonds.

133. (Previously presented) The article of claim 131, wherein the luminescent polymer comprises a copolymer formed from a plurality of monomers, wherein at least one monomer comprises a structure:



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wherein at least one of A and C comprises a bicyclic ring system, and at least one of B and D comprises a triple bond.

134. (Currently amended) The article of claim ~~141~~131, wherein the particle is formed from the luminescent polymer, and wherein the nucleic acid is attached to the luminescent polymer.

135. (Previously presented) The article of claim 146, wherein the luminescent polymer comprises the moiety that is able to become attached to a biological, biochemical, and/or chemical molecule so as to form, upon attachment, a particle comprising the luminescent polymer attached to the biological, biochemical, and/or chemical molecule.

136. (Previously Presented) The article of claim 135, further comprising:

the biological, biochemical, and/or chemical molecule attached to the luminescent polymer.

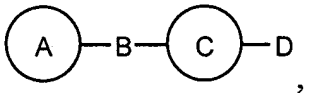
137. (Previously Presented) The article of claim 136, wherein the biological, biochemical, and/or chemical molecule is a nucleic acid molecule.

138. (Previously presented) A method, comprising:

allowing a nucleic acid to become covalently attached to a luminescent polymer, wherein the luminescent polymer comprises a triple bond.

139. (Previously Presented) The method of claim 138, wherein the luminescent polymer comprises a plurality of triple bonds.

140. (Previously presented) The method of claim 138, wherein the luminescent polymer comprises a copolymer formed from a plurality of monomers, wherein at least one monomer comprises a structure:



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wherein at least one of A and C comprises a bicyclic ring system, and at least one of B and D comprises a triple bond.

141-144. (Cancelled)

145. (Previously presented) The article of claim 131, wherein the particle includes a coating.

146. (Previously presented) The article of claim 130, wherein the particle comprises a moiety that is able to become attached to a biological, biochemical, and/or chemical molecule.

147. (Previously presented) An article, comprising:

a particle comprising a nucleic acid and a luminescent polymer, wherein the luminescent polymer comprises a triple bond, and wherein the particle luminesces when comprising the nucleic acid.

148. (Previously presented) A polymeric article, comprising:

a particle consisting essentially of a luminescent polymer, wherein the luminescent polymer comprises a plurality of triple bonds.